

REMARKS/ARGUMENTS

After the foregoing Amendment, Claims 1-6 and 8-11 are currently pending in this application. Claims 8 and 9 are canceled by this amendment. Claims 4, 6, and 10-11 have been amended to more distinctly claim the subject matter which the Applicants regard as the invention. Applicants submit that no new matter has been introduced into the application by these amendments.

Allowable Subject Matter

The Examiner is thanked for indicating that claims 1-3, and 5 contain allowable subject matter.

Claim Rejections - 35 USC §101

Claims 8 and 10 stand rejected under 35 USC §101, for lacking patentable utility. The Examiner asserts that the claims lack application that produces a useful, tangible and concrete result. Claim 8 is canceled. The Applicants disagree with respect to amended claim 10.

Claim 10 is a method claim in which communication channel response values and noise is determined by processing received channel response values. Claim 10 as amended reference to the following concrete results: registers R1

through R_N contain the N most significant values representative of N channel response values of the communication signal; and register R_S contains a sum value representative of the noise of the communication signal. Thus, the method as presented in claim 10 involves a useful, tangible and concrete result produced by an adder circuit. Prior to the processing, there is a stream of received communication values. After the processing, the adder circuit registers contain channel response values and a noise value. These values are useful for communication receivers when reconstructing the transmitted signal amidst interference from various noise sources.

Based on the arguments presented above, withdrawal of the 35 USC 101 rejection of claims 10-11 is respectfully requested.

Conclusion


If the Examiner believes that any additional minor formal matters need to be addressed in order to place this application in condition for allowance, or that a telephone interview will help to materially advance the prosecution of this application, the Examiner is invited to contact the undersigned by telephone at the Examiner's convenience.

Applicant: Buchert et al.
Application No.: 10/034,824

In view of the foregoing amendment and remarks, Applicants respectfully submit that the present application, including claims 1-6 and 10-11, is in condition for allowance and a notice to that effect is respectfully requested.

Respectfully submitted,

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Enclosure